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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/042,780
Filing Date	January 8, 2002
First Named Inventor	Vandenameele-Lepla, Patrick
Art Unit	2631
Examiner Name	Not Yet Assigned
Attorney Docket Number	020798-002100US

Sheet 1 of 2

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
lw	AA	US-5,228,062	07/13/1993	Bingham	
lw	AB	US-5,282,222	01/25/1994	Fattouche et al.	
lw	AC	US-5,450,456	09/12/1995	Mueller	
lw	AD	US-5,487,069	01/23/1996	O'Sullivan et al.	

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**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
lw	AE	BEEK et al., "ML Estimation of Time and Frequency Offset in OFDM Systems," <i>IEEE Trans. on Signal Processing</i> , Vol. 45, No. 7, pp.1800-1805, (July 1997)	
lw	AF	BOELCSKEI, "Blind estimation of symbol Timing and Carrier Frequency Offset in Pulse Shaping OFDM Systems," <i>Proc. of IEEE Int. Conf. on Acoustics, Speech and Signal Processing</i> , pp. 2749-2752, Phoenix, AZ, (March 1999)	
lw	AG	CHANG et al., "A New Estimation Scheme For Frequency and Timing Offsets in OFDM Systems," <i>Proc. of the IEEE Vehicular Technology Conference</i> , pp. 1832-1835, Boston, MA, (September 2000)	
lw	AH	CLASSEN et al., "Frequency Synchronization Algorithms for OFDM Systems suitable for Communication over Frequency-Selective Fading Channels," <i>Proc. of The IEEE Vehicular Technology Conference</i> , pp. 1655-1659, Stockholm, Sweden, (June 1994)	
lw	AI	GUNTHER et al., "A New Approach for Symbol Frame Synchronization and Carrier Frequency Estimation in OFDM Communications," <i>Proc. of The IEEE Int. Conf. on Acoustics, Speech and Signal Processing</i> , pp. 2725-2728, Phoenix, AZ, (March 1999)	
lw	AJ	HWANG et al., "Frequency and Timing Period Offset Estimation Technique for OFDM Systems," <i>Electronics Letters</i> , Vol. 34, No. 6, pp. 520-521, (March 19, 1998)	
lw	AK	JIN et al., "The Estimation of Time Delay and Doppler Stretch of Wideband Signals," <i>IEEE Trans. on Signal Processing</i> , Vol. 43, No. 4, pp. 904-916, (April 1995)	
lw	AL	KANG et al., "Decision-directed maximum likelihood estimation of OFDM frame synchronization offset," <i>Electronics Letters</i> , Vol. 30, No. 25, pp. 2153-2154, (December 8, 1994)	
lw	AM	LAMBRETTE et al., "OFDM Burst Frequency Synchronization by Single Carrier Training Data," <i>IEEE Communications Letters</i> , Vol. 1, No. 2, pp. 48-48, (March 1997)	
lw	AN	LIM et al., "An Efficient Carrier Frequency Offset Estimation Scheme for an OFDM System," <i>Proc. of the IEEE Vehicular Technology Conference</i> , pp. 2453-2457, Boston, MA, (September 2000)	
lw	AO	LUISE et al., "Carrier Frequency Acquisition and Tracking for OFDM Systems," <i>IEEE Trans. on Communications</i> , Vol. 44 No. 11, pp. 1590-1598, (November 1996)	

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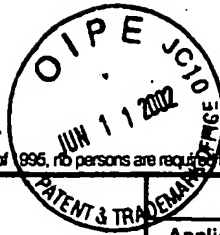
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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W	AP	MOOSE et al., "A Technique for Orthogonal Frequency Division Multiplexing Frequency Offset Correction," <i>IEEE Trans. on Communications</i> , Vol. 42 No. 10, pp. 2908-2914, (October 1994)	
W	AQ	POLLET et al., "Synchronization with DMT Modulation," <i>IEEE Communications Magazine</i> , pp. 80-86, (April 1999)	
W	AR	RINNE et al., "An Equalization Method for Orthogonal Frequency Division Multiplexing Systems in Channels with Multipath Propagation, Frequency Offset and Phase Noise," <i>IEEE</i> , pp. 1442-1446, (1998)	
W	AS	SCHMIDL et al., "Blind synchronisation for OFDM," <i>Electronics Letters</i> , Vol. 33, No. 2, pp. 113-114, (January 16, 1997)	
W	AT	SIMOENS et al., "A New Method for Joint Cancellation of Clock and Carrier Frequency Offsets in OFDM receivers over Frequency Selective Channels," <i>2000 IEEE 51<sup>st</sup> Vehicular Technology Conference Proceedings</i> , pp. 390-394, Tokyo, JAPAN, (May 2000)	
W	AU	TURELI et al., "Blind Carrier Synchronization and Channel Identification for OFDM Communications," <i>Proc. of IEEE Int. Conf. on Acoustics, Speech and Signal Processing</i> , pp. 3509-3512, Seattle, WA, (May 1998)	
W	AV	VISSER et al., "A Novel Method for Blind Frequency Offset Correction in an OFDM System," <i>Proc. of the IEEE PIMRC</i> , pp. 816-820, Boston, MA, (September 1998)	
W	AW	WEI et al., "Synchronization Requirement for Multi-user OFDM on Satellite Mobile and Two-path Rayleigh Fading Channels," <i>IEEE Trans. on Communications</i> , Vol. 43, No. 2, pp. 887-895, (February 1995)	

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